

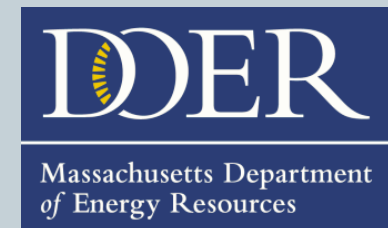
Massachusetts Electric Vehicle Incentive Program (MassEVIP)



CONFERENCE CALL

MASSACHUSETTS DEPARTMENT OF
ENVIRONMENTAL PROTECTION

FEBRUARY 2015



Call Agenda

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- Introductions and Roll Call
- MassEVIP Overview
- Town of Scituate – Procurement through state contract OVM-10
- Town of Braintree – Procurement through own bid process
- Town of Barnstable – Leasing of EVs

Why Electric Vehicles

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BENEFITS OF EVs

- ✦ Same performance as conventional vehicles
- ✦ Significant reduction in maintenance costs for BEVs
- ✦ Lower fuel costs/ consistent fuel costs
- ✦ No localized emissions
- ✦ Quiet operation
- ✦ \$1.32 per gallon equivalent compared to \$3.56 per gallon of gasoline.



TYPES OF EVs

- ✦ BEVs (Battery Electric Vehicles) - no onboard ICE (internal combustion engine) or complex transmission system
- ✦ PHEVs (Plug-In Hybrid Electric Vehicles)– Combined ICE and Battery power

Massachusetts Electric Vehicle Incentive Program - MassEVIP

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- Official announcement on Earth Day 2013 in Greenfield and Chelmsford
- Provides incentive funding to Massachusetts entities to acquire:
 - Battery-electric or plug-in hybrid vehicles
 - Level 2 charging stations



Goals for MassEVIP

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- Increase the deployment of EVs in Massachusetts
- Help the Commonwealth meet aggressive climate and energy efficiency goals
- Help the transition to a clean energy economy
- Reduce greenhouse gas (GHG) emissions
- Help make cities and towns more energy efficient
- Improve air quality by reducing smog forming and other pollutant emissions

Phase I & Phase II

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Phase I

- 17 municipalities approved for awards
- \$465,000 in total
- 38 EVs
 - 14 PHEVs and 24 BEVs
- 14 Level 2 Dual Head Charging stations

Phase II

- 18 entities approved for awards
- \$602,500 in total
- 73 EVs
 - 34 PHEVs and 39 BEVs
- 14 Level 2 Dual Head Charging stations

Phase III: Fleets

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- Open Grant Program
- Eligible Entities
 - Public and Private Universities and Colleges
 - State Fleet
 - Public and Private Driving Schools
 - **Municipalities**
- Awards so Far
 - **\$229,500 to 6 entities**
 - ✦ 19 BEVs and 3 PHEVs
 - ✦ 8 Level 2 Dual Head Charging stations



MassEVIP Phase III Incentives

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Public Entities

- \$7,500 for battery electric vehicles
- \$5,000 for plug-in hybrids
- Up to \$13,500 to acquire and install a Level 2 Dual Head Charging station

Charging Station Incentive

- Tied to # of BEVs acquired
 - 1-2 BEVs -- \$7,500
 - 3-4 BEVs -- \$10,500
 - 5+ BEVs -- \$13,500



Program Requirements - Vehicles

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- Acquire = Purchase or Lease
- Applicants can use vendors on state contract OVM-10
- Applicants may also acquire a BEV and/or PHEV identified on CA's list that is not currently on the OVM-10 list; however, must do own bid process and be on a contract with the Commonwealth
- Must commit to using the vehicle for at least 36 months in the Commonwealth

Electric Vehicles on State Contract OVM-10

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Chevrolet Spark
BEV (availability
for sale in MA?)
100 mile range



Ford Focus BEV
107 mile range



Chevrolet Volt PHEV
40 mile battery-only range

Electric Vehicles on State Contract OVM-10

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Ford Fusion
PHEV



Ford C-Max Energi
PHEV



Toyota Plug in Prius
PHEV

Non-OVM-10 Vehicles Eligibility

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Nissan Leaf BEV



Not on OVM-10 currently, **BUT** these vehicles are eligible for funding.

Volkswagen e-Golf BEV



Smart for Two BEV



Tesla BEV

Mitsubishi i-MiEV BEV



Program Requirements – Charging Stations

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- Applicant must purchase at least one battery electric vehicle
- Charging station must be publicly accessible and both spaces used specifically for electric vehicles
- Applicants can use vendors on statewide contract RFR-2011-ENE-008 to install a Level 2 charging station

Electric Vehicle Supply Equipment (EVSE) – How do you fuel an EV?

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- Required time for charging PHEVs and BEVs
- Three charging levels: 1, 2 and DCQ (fast charging)
- **ONLY – Level 2 Dual Head Charging station is eligible for MassEVIP Incentive**

Level	Voltage	Charge Type	Estimated Charge Time
1	120 VAC	Common residential grounded receptacle from source to vehicle's onboard charger.	8 to 30 hours
2	240 VAC	Dedicated 40 amp circuit from source to vehicle's onboard charger.	3 to 8 hours
3	High-voltage (VDC)	Direct current from off-board charger; up to 400 amps.	15 to 30 minutes

Where are the charging stations?

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Level 2 Barnstable



Level 2 Boston



Level 1 comes with all Plug in vehicles



Level 2 at the fire station in Northampton



To find Electric vehicle
charging stations in MA go
to:

<http://www.afdc.energy.gov/>

MassEVIP Application Process

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FIRST COME FIRST SERVED

- 1) Entity submits to MassDEP the Application Form found at: www.mass.gov/eea/agencies/massdep/air/grants/massevip.html
- 2) MassDEP reviews application
- 3) MassDEP issues an approval letter of Grant Application
- 4) Entity must sign an End-User Agreement
- 5) Upon receipt of the counter signed End-User Agreement from MassDEP, applicant can then complete vehicle purchase/lease and proceed with Level 2 charging station installation, if applicable

MassEVIP Application

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MassEVIP Ph III Application.doc [Compatibility Mode] (Preview) - Microsoft Word

Print Preview

Print Options Margins Orientation Size Zoom 100% One Page Two Pages Page Width Show Ruler Magnifier Next Page Previous Page Close Print Preview

MassEVIP Application

APPLICANT INFORMATION: (* Indicates Required Fields, and please print clearly)

Legal Name of Entity*: _____

Division within Entity applying for incentive: _____

Principal Contact*

Last Name: _____

First Name: _____

Title: _____

Email: _____

Phone: _____

Fax: _____

Street Address: _____

City: _____

State: _____

Zip Code: _____

Mailing address (enter ONLY if it is different from contact address above)

Street Address: _____

City: _____

State: _____

Zip Code: _____

If a municipality, are you currently a Green Community as designated by the Massachusetts Green Communities Division? (Circle one)

YES NO

MassEVIP One Winter St. 6th Fl. Boston, MA 02108 Phone: (617) 556-1015 Page 3

Use the Table below to list the electric vehicle(s) your entity is considering for acquisition *

Make/Model	Type (BEV, PHEV, or ZEM)	Dealer	Purchase/Lease

**If requesting more than five vehicles, please use additional pages.*

In the space provided below, please indicate how the vehicle will be used to increase the visibility of electric vehicles in the community.

If planning on acquiring one or more battery electric vehicles (fully battery operated), your entity is eligible to apply for assistance to acquire and install a Level 2 dual-head charging station. Do you wish to apply for assistance to acquire and install a Level 2 dual-head charging station? If yes, use the Table below to provide information for the requested charging station. *Note: the acquisition of hybrid plug-in electric vehicles only does not qualify an entity for financial assistance to install a Level 2 dual-head charging station.*

Make/Model: _____

Vendor: _____

Proposed location: _____

**Please use additional page if acquiring more than one charging station.*

Signature of Representative*: _____

Date*: _____

This form should be returned to MassDEP at the address below:

Ms. Sejal P. Shah
Environmental Analyst, MassEVIP
One Winter Street, 6th Floor
Boston, MA 02108

MassEVIP One Winter St. 6th Fl. Boston, MA 02108 Phone: (617) 556-1015 Page 4

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MassEVIP Application Process

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- MassEVIP will provide the incentive directly to the vehicle vendor or charging station vendor on state contract
- MassEVIP will reimburse the applicant if it:
 - performed its own competitive bid to purchase an eligible EV vehicle not currently available on the state contract but sold in Massachusetts and
 - bought a vehicle identified on California's list as ZEV or PHEV and
 - is on a state contract (used as the reimbursement mechanism)

MassEVIP Application Process

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- Application form and instructions are available on MassDEP's webpage:
www.mass.gov/eea/agencies/massdep/air/grants/massevip.html
- For information on MassEVIP,
Sejal P. Shah - sejal.shah@state.ma.us
Phone: 617-556-1015
- For more information on vehicles and EVSE installation information go to MA Clean Cities web page:
www.mass.gov/energy/cleancities

Contacts

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- Town of Braintree
 - Barbara Mello – E-Mail bmello@braintreema.gov
- Town of Scituate
 - Albert Bangert – E-Mail abangert@scituatema.gov
Phone (781) 424-4399
- Town of Barnstable
 - Richard Elrick – E-Mail
Richard.Elrick@town.barnstable.ma.us
Phone - 508-790-6400, ext. 4932

Questions

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